

P-IEE-098/WO

**CLAIMS**

1. A position detection device, comprising:

a first substrate;

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a first ohmic resistor applied to said substrate and extending along an active surface of said position detector, said first ohmic resistor being connected between first and second terminals of said position detection device;

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a plurality of electrical conductors, said electrical conductors being connected to the first ohmic resistor at discrete points thereon and said electrical conductors extending from the first ohmic resistor within the active surface; and

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a plurality of conducting elements, said conducting elements being arranged, within said active surface, so as to alternate between said first electrical conductors, a first end of said conducting elements being connected to a third terminal of said position detection device;

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characterized in that said conducting elements are configured as an ohmic resistor extending over the active surface of the device and in that a second end of said conducting elements is connected to a fourth terminal of said position detection device.

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2. The device as claimed in claim 1, in which the first substrate comprises an elastic support sheet.

3. The device as claimed in claim 1, in which the first substrate comprises a printed circuit board.
- 5 4. The device as claimed in one of claims 1 to 3, in which said conducting elements are made of the same material as said electrical conductors.
- 10 5. The device as claimed in one of claims 1 to 4, which includes a second substrate and a layer made of resistive or semiconductor material applied to said second substrate, said second substrate being arranged on top of the first substrate in such a way that said layer of resistive or semiconductor material faces said electrical conductors and conducting elements within the active surface.
- 15 6. The device as claimed in claim 5, in which said second substrate comprises an elastic support sheet.
- 20 7. The device as claimed in either of claims 5 and 6, which includes a pressure-distributing layer, said pressure-distributing layer being applied to said second substrate.
8. A data input device that includes a position detection device as claimed in one of the preceding claims.